FIG.3

	Code	Item	Example
101	0	Process Code	1
102	1	Job Name	weld of pipe 1
103	2	Job Code	1
104	3	Part Code	45
105	4	Contractor Code	12345
106	5	Planned Material Quantities	100
107	6	Planned Workmen	10
108	7	Planned Workdays	5
109	8	Planned Man-Days	50
110	9	Planned Starting Date	50
111	10	Critical Processes in Pre-Sequential Process:	3
112	11	Critical Processes in Post-Sequential Process:	2
113	12	Critical Starting Date:	45
114	13	Critical Completion Date:	60

FIG.4

	Code	Item	Example
201	0	Actual Material Quantities (accumulation)	250
202	1	Actual Man-Days	5000
203	2	Actual Starting Date	52
204	3	Actual Ending Date	75

FIG. 5

	Code	Item	Example
301	0	Job code	1
302	1	Average of Starting Date Variations	0
303	2	Standard Deviation of Starting Date Variations	1.2
304	3	Minimum Allowance for Starting Date Variation	-2
305	4	Maximum Allowance for Starting Date Variation	3
306	5	Average of Elementary Unit Variations	0.5
307	6	Standard Deviation of Elementary Unit Variations	3.5
308	7	Minimum Allowance for Elementary Unit Variation	-2.5
309	8	Maximum Allowance for Starting Date Variation	10

FIG.6

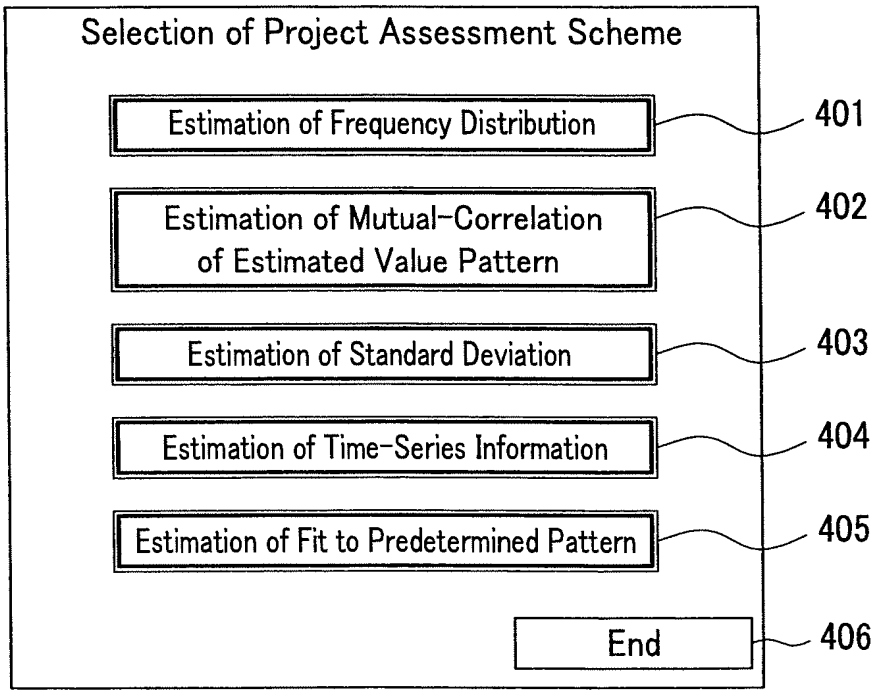

FIG.9

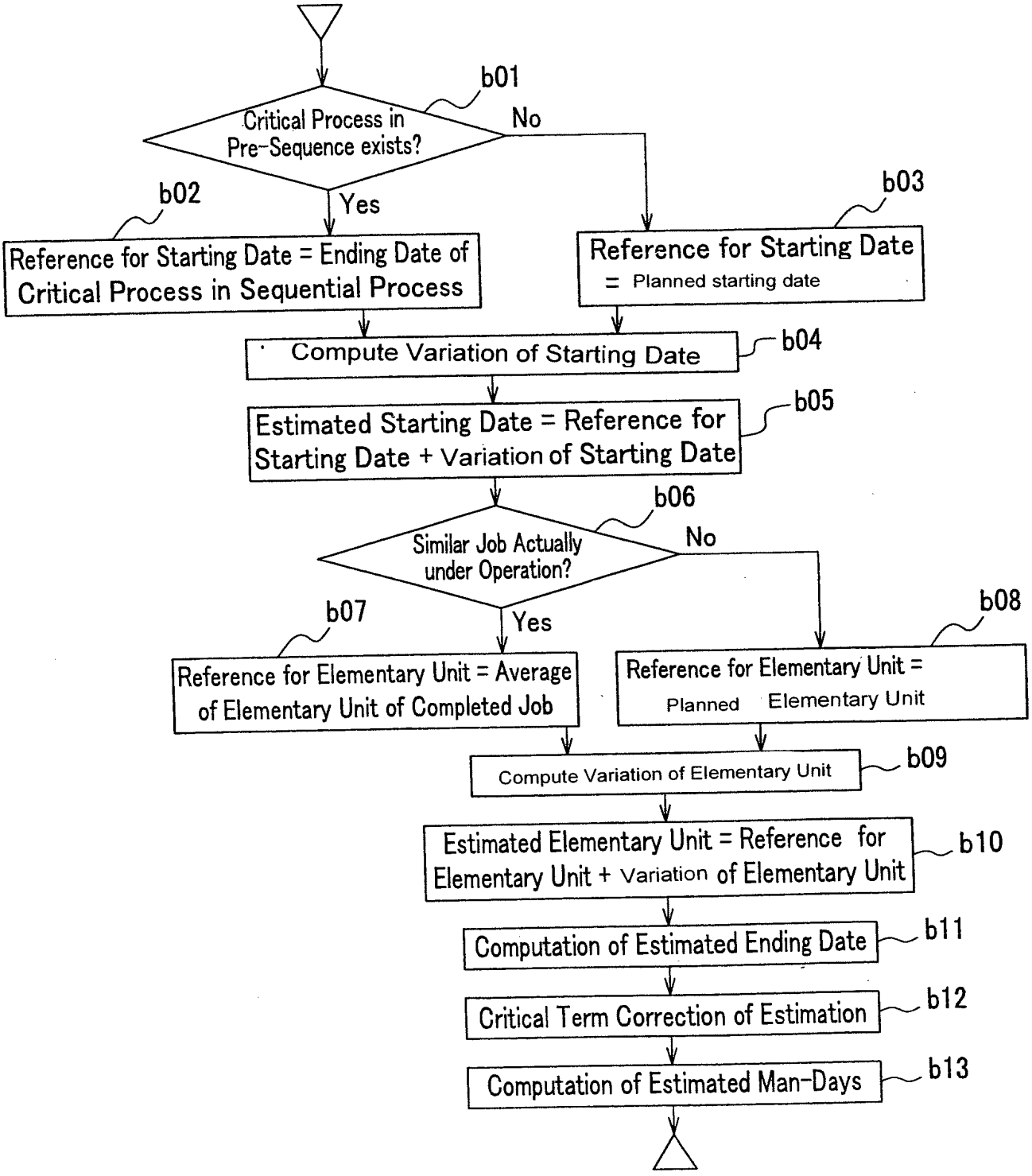
b01
Critical Process in Pre-Sequence exists?
No
Yes
b02
Reference for Starting Date = Ending Date of Critical Process in Sequential Process
b03
Reference for Starting Date = Planned starting date
Compute Variation of Starting Date
b04
Estimated Starting Date = Reference for Starting Date + Variation of Starting Date
b05
b06
Similar Job Actually under Operation?
No
Yes
b07
Reference for Elementary Unit = Average of Elementary Unit of Completed Job
b08
Reference for Elementary Unit = Planned Elementary Unit
Compute Variation of Elementary Unit
b09
Estimated Elementary Unit = Reference for Elementary Unit + Variation of Elementary Unit
b10
Computation of Estimated Ending Date
b11
Critical Term Correction of Estimation
b12
Computation of Estimated Man-Days
b13

FIG.14

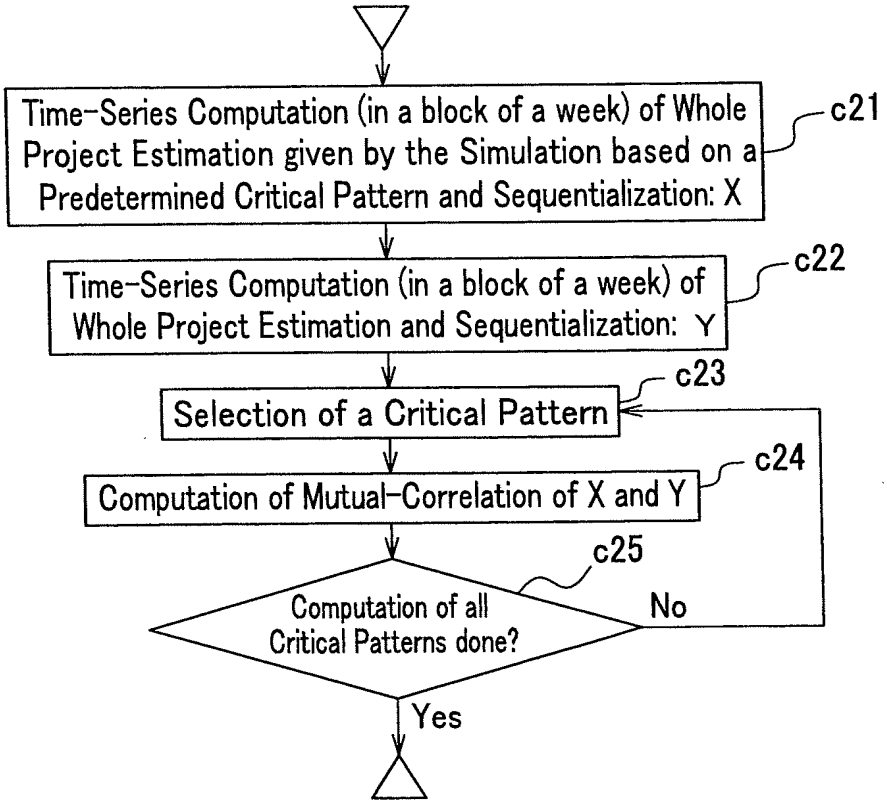

FIG.15

420

421

First Week	Second Week	...	Last Week
SIM Times = First Estimate	SIM Times = First Estimate	...	SIM Times = First Estimate
SIM Times= Second Estimate	SIM Times= Second Estimate	...	SIM Times= Second Estimate
...	...	...	...
SIM Times = n-th Estimate	SIM Times = n-th Estimate	...	SIM Times = n-th Estimate